

Jeux d'Eau

by Arya Akhavan (November 2012)

Angles for R.I. = 1.540

81 + 16 girdles = 97 facets

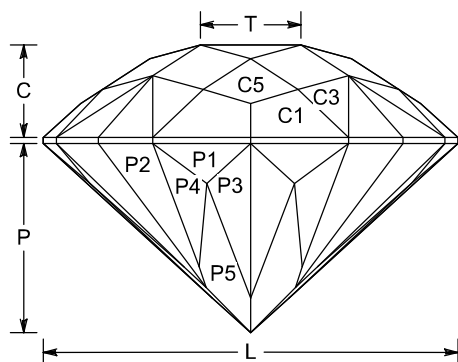
4-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.243 U/W = 0.243

P/W = 0.455 C/W = 0.222

Vol./W³ = 0.237



PAVILION

P1	44.65°	02-22-26-46-50-70-74-94	Cut to centerpoint.
P2	43.50°	10-14-34-38-58-62-82-86	Meet at culet.
G1	90.00°	02-22-26-46-50-70-74-94	Set stone size.
G2	90.00°	10-14-34-38-58-62-82-86	Level girdle.
P3	42.50°	01-23-25-47-49-71-73-95	Meet P1, G1
P4	42.50°	03-21-27-45-51-69-75-93	Meet P1, P2, G1, G2
P5	42.03°	02-22-26-46-50-70-74-94	Meet P1, P3, P4

CROWN

C1	42.38°	02-22-26-46-50-70-74-94	Set girdle width.
C2	38.62°	10-14-34-38-58-62-82-86	Level girdle.
C3	36.21°	08-16-32-40-56-64-80-88	Meet G1, G2, C1, C2
C4	26.34°	06-18-30-42-54-66-78-90	Meet C2, C3
C5	32.91°	96-24-48-72	Meet C1, C3, C4
C6	15.00°	96-24-48-72	Meet C4, C5
T	0.00°	Table	Meet C4, C6

I was trying to create an 8x8 checkerboard crown, but got incredibly frustrated. This was the 5th attempt, after which I decided to just screw it. I should be cutting an aquamarine right now, too... This looks best in blue zircon, but works in materials from quartz to rutile (RI = 1.54 - 2.62) with no changes.

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